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Hepatocellular carcinoma after direct-acting antiviral HCV therapy: A debate near the end

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Abstract

Direct acting antivirals (DAAs) have revolutionized the treatment of HCV infection, achieving high rates ($\geq 95\%$) of sustained virological response, with a good safety profile and high compliance rates. Consequently, it had been expected that viral clearance will reduce morbidity and mortality rates, as well as the risk of hepatocellular carcinoma (HCC). However, since 2016, concerns have been raised over an unexpected high rate of HCC occurrence and recurrence after DAA therapy, which led to an

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Introduction. **Hepatitis C virus (HCV)** infection is a major cause of chronic hepatitis, which leads to cirrhosis and **hepatocellular carcinoma (HCC)**. 1 Hepatocarcinogenesis due to **HCV** infection is thought to be initiated via direct and indirect mechanisms. 2 It is mainly triggered by indirect immune-mediated chronic inflammation. During **HCV** infection, liver-infiltrating lymphocytes fail ...

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AIM: The predictors for the development of hepatocellular carcinoma (HCC) after direct-acting antiviral (DAA) treatment were investigated. METHODS: A total of 1174 patients with chronic hepatitis C virus infection were treated with DAA therapy (sofosbuvir and ledipasvir [n = 615], sofosbuvir and ribavirin [n = 380], and daclatasvir and ...

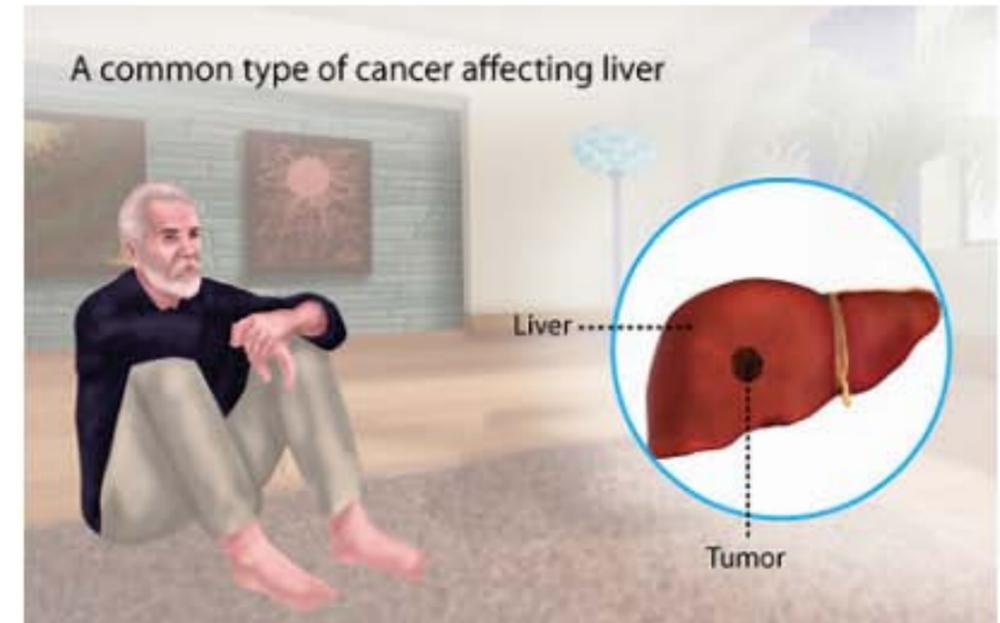
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Hepatitis C-Related Hepatocellular Carcinoma Incidence in ...

Hepatocellular Carcinoma

Medical Condition



The most common form of liver cancer often seen in people with chronic liver diseases like cirrhosis.

- Rare (Fewer than 200,000 cases per year in US)
- May be preventable by vaccine
- Often requires lab test or imaging
- Treatment from medical professional advised
- Can last several months or years

Caused mainly due to the chronic infection of the liver or DNA mutation of the liver cells. Characterized by unexplained weight loss, upper abdominal pain and yellowing of the skin. Treatment options include hepatectomy, target drug delivery and the use of radiation to kill the cancerous cells.

Symptoms

The early stages of the disease do not present any symptoms but in the later stages the symptoms which are noted are as follows:

- Upper abdominal pain
- Weight loss
- Jaundice
- Fluid in the abdomen
- Liver failure

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Hepatocellular Carcinoma Risk After Direct-Acting ...

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Cited by: 2 **Author:** Feng Su, George N. Ioannou
Publish Year: 2019

The Risk of Hepatocellular Carcinoma After Directly Acting ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5203700>

During the interferon (IFN) era of **chronic hepatitis C treatment**, it was almost unanimously accepted that sustained virologic response (SVR) provides reduction of **hepatocellular carcinoma** (HCC), even though mortality due to **HCC** still remained almost 25-fold higher in patients who eradicated **hepatitis C virus** (HCV) than in HCV negative people (1, 2).

Cited by: 7 **Author:** Alessio Strazzulla, Rosa Maria Rita Iemm...
Publish Year: 2016

Predictors of hepatocellular carcinoma occurrence after ...

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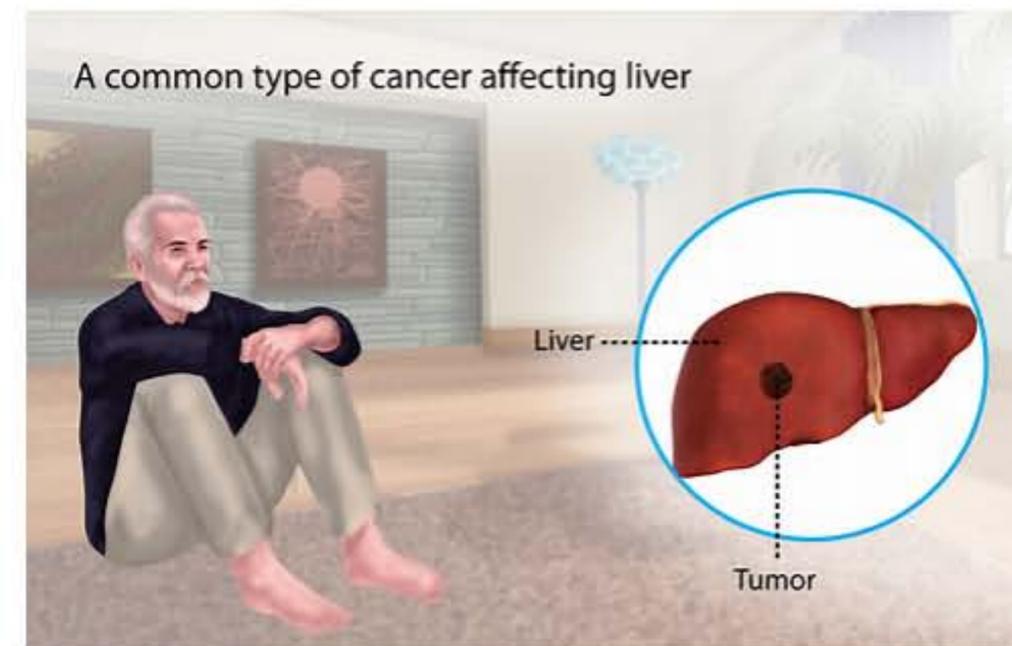
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